



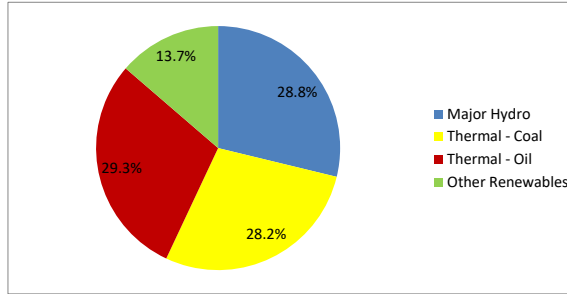
Daily Electricity Generation & Cost Estimation Report

1st October 2024



Daily Generation Mix -1st Oct 2024

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.35	28.8%
Thermal - Coal	13.07	28.2%
Thermal - Furnace Oil	9.80	21.1%
Thermal - Diesel	0.25	0.5%
Thermal - Naphtha	3.56	7.7%
Wind - CEB	0.25	0.5%
Wind - IPP	0.27	0.6%
Solar - IPP - Ground Mounted	0.73	1.6%
Solar - Roof Top	2.42	5.2%
Mini Hydro	2.35	5.1%
Municipal Solid Waste	0.33	0.7%
Total	46.36	



Note - Estimated generation from roof top solar, non-telemetered solar and mini hydro plants has been included in the above figures

Estimated Generation Cost : 1st Oct 2024

Plant Type	Energy Cost (Mn LKR)	Non Fuel Energy Cost (Mn LKR)	Capacity Cost (Mn LKR)	Total Cost of Generation (Mn LKR)	Energy Cost per Unit (LKR/kWh)	Non fuel Energy Cost per Unit (LKR/kWh)	Capacity Charge per Unit (LKR/kWh)	Cost of Electricity per Unit (LKR/kWh)
Major Hydro	0.0	0.0	37.6	37.6	0.00	0.00	2.82	2.82
Thermal - Coal	237.2	27.5	44.5	309.2	18.15	2.10	3.41	23.65
Thermal - Furnace Oil	447.4	9.4	50.3	507.0	45.67	0.96	5.13	51.76
Thermal - Diesel	15.4	1.5	19.8	36.6	62.49	5.90	80.31	148.71
Thermal - Naphtha	183.3	1.9	3.2	188.4	51.52	0.54	0.90	52.96
Wind - CEB	0.0	0.0	20.9	20.9	0.00	0.00	83.75	83.75
Wind - IPP	4.3	0.0	0.0	4.3	16.12	0.00	0.00	16.12
Solar - IPP - Ground Mounted	14.2	0.0	0.0	14.2	19.50	0.00	0.00	19.50
Solar - Roof Top	60.3	0.0	0.0	60.3	24.92	0.00	0.00	24.92
Mini Hydro	34.3	0.0	0.0	34.3	14.61	0.00	0.00	14.61
Municipal Solid Waste	13.0	0.0	0.0	13.0	39.30	0.00	0.00	39.30
Total	1009.3	40.2	176.2	1225.7	21.77	0.87	3.80	26.44

Note -

Start/Stop costs has been excluded in the calculation

Capacity cost is based on the approved BST submission.

Unit Cost of Generation for the day : **26.44 LKR/kWh**
 Total Generation Cost for the day: **1225.74 Mn LKR**

Fuel Prices

(as at 1st Oct 2024)

	Price (LKR/Liter or LKR/kg)
Furnace	191.00
Coal	44.20
Naphtha	191.16
Auto Diesel	283.00

Scheduled (Day Ahead) Generation Mix - 1st Oct 2024 (Excluding generation from non telemetered power plants)

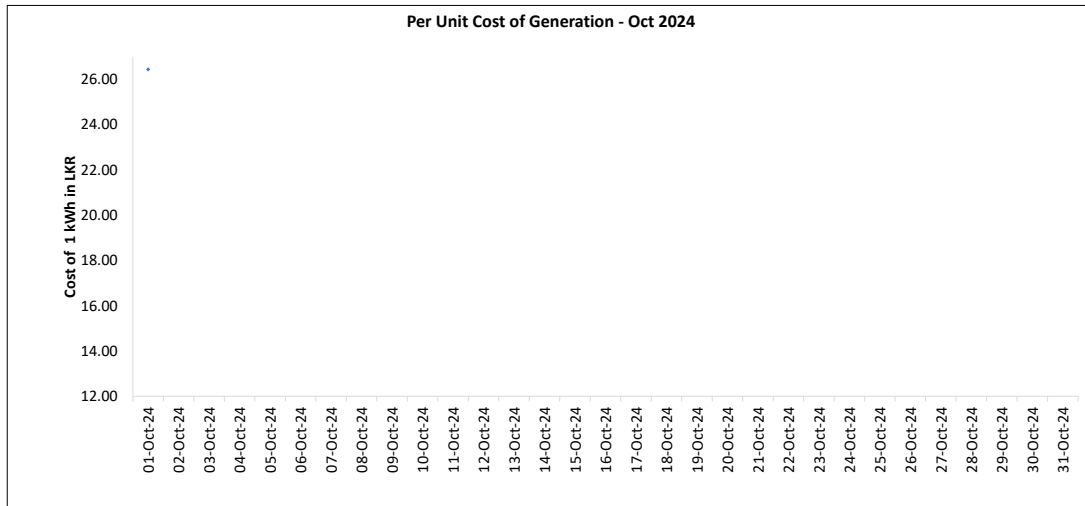
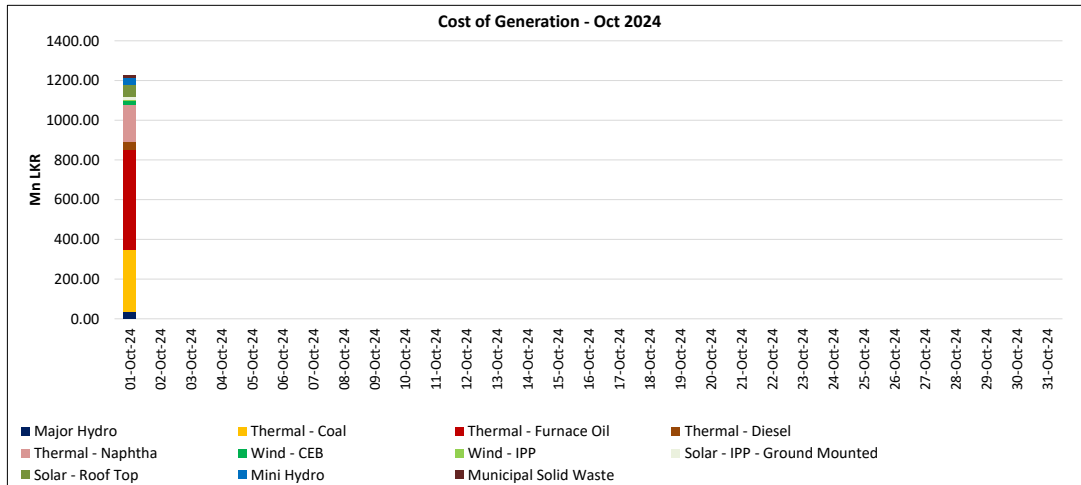
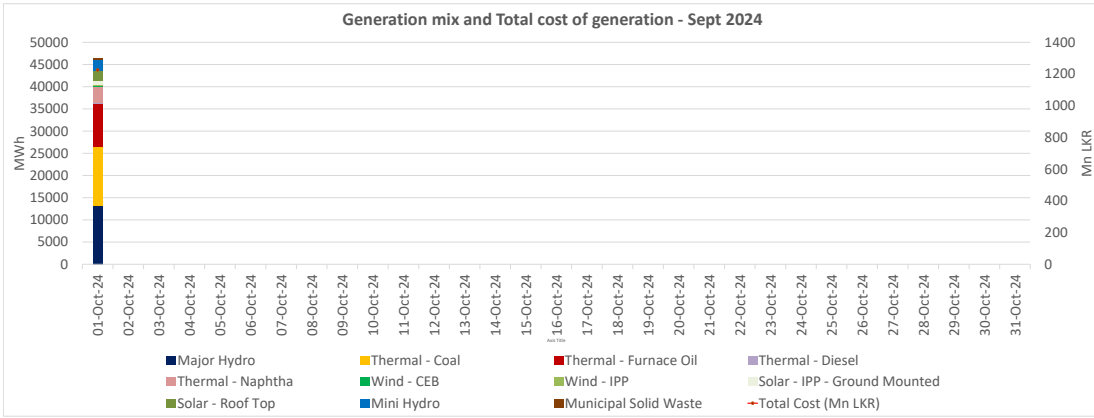
Plant Type	Generation (GWh)	Percentage
Major Hydro	13.5	30%
Thermal - Coal	13.0	29%
Thermal - Furnace Oil	10.9	25%
Thermal - Diesel	0.0	0%
Thermal - Naphtha	3.6	8%
Wind - CEB	0.1	1%
Wind - IPP	0.1	1%
Solar	0.4	1%
Mini Hydro	2.65	6%
Total	44.15	

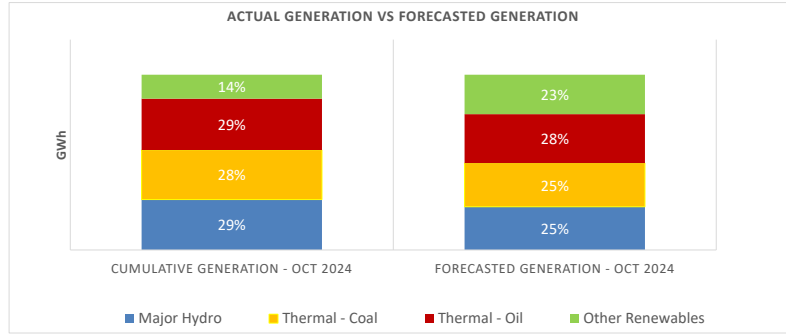
Actual Generation Mix - 1st Oct 2024 (Excluding generation from non telemetered power plants)

Plant Type	Generation (GWh)	Percentage
Major Hydro	13.3	31%
Thermal - Coal	13.1	30%
Thermal - Furnace Oil	9.8	23%
Thermal - Diesel	0.25	1%
Thermal - Naphtha	3.6	8%
Wind - CEB	0.2	1%
Wind - IPP	0.3	1%
Solar	0.7	2%
Mini Hydro	2.2	5%
Total	43.48	

Estimated Generation Cost for the Scheduled Dispatch (Excluding non telemetered NCRE plants) **1184.08 Mn LKR**

Estimated Generation Cost for the Actual Dispatch (Excluding non telemetered NCRE plants) **1154.55 Mn LKR**





	Cumulative Generation - Oct 2024 [GWh]	Forecasted Generation - Oct 2024 [GWh]
Major Hydro	13	347
Thermal - Coal	13	350
Thermal - Oil	14	393
Other Renewables	6	317
Total	46	1407

Forecasted Generation - SDDP Sept 2024

Estimated Cost of Generation - Oct 2024 (Mn LKR)

Major Hydro	37.59 Mn LKR
Thermal - Coal	309.22 Mn LKR
Thermal - Furnace Oil	507.04 Mn LKR
Thermal - Diesel	36.58 Mn LKR
Thermal - Naptha	188.36 Mn LKR
Wind - CEB	20.85 Mn LKR
Wind - IPP	4.30 Mn LKR
Solar - IPP - Ground Mounted	14.16 Mn LKR
Solar - Roof Top	60.30 Mn LKR
Mini Hydro	34.29 Mn LKR
Municipal Solid Waste	13.05 Mn LKR
Total Generation Cost	1,225.74 Mn LKR

Generation Energy Cost (Oct) 1,009.34 Mn LKR

*Generation Capacity Cost (Oct) 176.20 Mn LKR

Other Cost (Oct) 40.20 Mn LKR

Average Unit Cost of Generation (Oct) 26.44 LKR/kWh

Note -

* Capacity cost is based on the approved BST submission.